| Index of Claims | Application No.    | Applicant(s) |  |  |  |  |  |
|-----------------|--------------------|--------------|--|--|--|--|--|
|                 | 09/464,348         | SHAH ET AL.  |  |  |  |  |  |
|                 | Examiner           | Art Unit     |  |  |  |  |  |
|                 | Barbara N. Burgess | 2157         |  |  |  |  |  |
|                 |                    |              |  |  |  |  |  |

| √ | Rejected | _ | (Through numeral)<br>Cancelled | N | Non-Elected  | Α | Appeal   |
|---|----------|---|--------------------------------|---|--------------|---|----------|
| = | Allowed  | + | Restricted                     | ı | Interference | 0 | Objected |

| E      | Cla          | aim | Γ            |  | Dat     | te   |          |                     | ШГ    | Cla      | im  |                 |  |          | Dat      | e -             |                 |          | ]      | Cli               | aim |           |               |   | Dat          | e  |                 |          |  |
|--|--------------|-----|--------------|--|---------|--|----------|---------------------|-------|----------|-----|-----------------|--|----------|----------|-----------------|-----------------|----------|--------|-------------------|-----|-----------|---------------|---|--------------|--|-----------------|----------|--|
| E     6     6     1     E     6     1     E     6     1     E     6     1  |              |     | 10           |  | T       | III  | Ī        |                     |       |          |     |                 | T  |          | П        |                 |                 |          | 1      |                   |     |           |               |   | Ī .          | Γ  |                 |          |  |
| 1     \$ 51     101     102     102     102     102     102     103     104     103     104     105     105     106     106     106     106     106     106     107     107     107     107     107     107     107     107     107     107     107     107     107     107     108     108     108     109  | ਾਰ           | na  |              | 1  | İ       | 1 1  |          |                     |       | ল        | na  |                 |  |          | 1        |                 |                 |          |        | ਜ਼                | na  |           |               |   |              |  | ll              |          |  |
| 1     \$ 51     101     102     102     102     102     102     103     104     103     104     105     105     106     106     106     106     106     106     107     107     107     107     107     107     107     107     107     107     107     107     107     107     108     108     108     109  | ⊒، ا         | Ē   |              |  |         | 1 1  |          |                     |       | ا ع،     | iĝi |                 |  | ı        |          |                 |                 |          |        | ≟                 | igi |           |               |   |              |  |                 |          |  |
| 1  | "            | ō   | 6:           | 1  |         |  |          |                     |       | ۳ ا      | ō   | ll              |  |          |          | ll              |                 |          |        | "                 | ō   |           |               |   |              |  |                 |          |  |
| 102  | <b></b> -    |     |              |  |         | ╁  |          | +                   | ii -  |          | E4  | $\vdash$        | $\dashv$   | +        | ┢        | ┝╌┤             |                 |          | -      |                   | 101 |           |               | ╀   | ╁╴           | ╁  | H               |          | -  |
| 10   | ļ            |     | 7            | 1-1-1  | _       | ++   | +        | -                   | ⊪     |          | 51  | $\vdash \vdash$ | $\dashv$   |          | ┼        | $\vdash$        | -+              |          | -      | $\vdash$          |     | _         |               | +-  | ┼            | ┼  | $\vdash$        |          |  |
| S4   |              | _   |              | $\vdash \vdash \vdash$                           |         | ++   | -        | 1                   | iii - |          |     | $\vdash$        |  |          | ╀        |                 |                 | -        | 4      |                   |     | $\square$ | -             | ╁   |              | ╁  | -               |          |  |
| 5  | <u></u>      |     |              | $\vdash$   | —       | $\vdash$   |          | :                   | iii_  |          |     | $\vdash$        | _  |          | ļ        | $\sqcup$        | $\dashv$        |          |        |                   |     |           |               | ╀   | ╙            | ↓_   | Ш               | _        | _  |
| 106  |              |     |              |  |         | $\perp \perp$                                    |          |                     | iiiL  |          |     | Ш               |  |          | _        | Ш               |                 |          |        |                   | 104 |           |               | <u> </u>  |              | <u> </u>   | Ш               |          |  |
| 107  |              |     |              |  | $\perp$ | $\sqcup$   |          | Ш                   | iiiL  |          |     |                 |  |          | _        | Ш               |                 |          | 1      |                   | 105 |           |               |   | <u> </u>     | <u> </u>   | Ш               |          |  |
| Se   | L            |     |              |  |         |  |          |                     | iiiL  |          |     |                 |  |          |          |                 |                 |          | ]      |                   | 106 |           |               |   |              |  | Ш               |          |  |
| 9   10   10   100   110   110   110   110   110   110   111   11 |              | 7-  | 一            | 1  |         |  |          |                     |       |          |     |                 |  |          |          |                 |                 |          | ]      |                   | 107 |           |               |   |              | <u> </u>   |                 |          |  |
| 10 \( \)   |              | ቅ   |              |  |         |  | - 1      |                     | ШГ    |          | 58  |                 |  |          | I        |                 |                 |          |        |                   | 108 |           |               |   |              |  |                 |          |  |
| 10 \( \)   |              | 9   | =            |  |         | П  |          | П                   |       |          | 59  |                 |  |          |          |                 |                 |          | ]::::: |                   | 109 |           |               | Т   | П            |  | П               |          |  |
| 11   |              | 10  |              |  | $\neg$  | T  |          |                     |       |          |     |                 |  |          | T        |                 |                 |          | 1      |                   | 110 |           |               | $\top$  |              |  | П               |          |  |
| 12   |              |     |              |  |         | <del>     </del>                                 |          | 1                   | - I   |          |     |                 | _  |          | <b>-</b> |                 |                 |          | 1      | -                 |     |           |               | 1   | t            | t  | П               |          |  |
| 13   |              |     | ╘            | <del>                                     </del> | +       | 1 1  | $\dashv$ | +                   | ۱ŀ    | -        |     | $\vdash$        | $\dashv$   | $\dashv$ | t        | $\vdash$        | $\neg \uparrow$ | _        | 1      |                   | 112 |           | $\dashv$      | $\top$  |              | t  | H               | $\neg$   | $\dashv$   |
| 144  | $\vdash$     |     |              | <del>     </del>                                 | +       | +  | +-       | +                   | ŀ     |          |     |                 | 十  | $\dashv$ | 一        | H               | $\dashv$        | $\dashv$ | 1      |                   |     |           |               | +   | t            | <del>                                     </del> | H               | $\dashv$ | -  |
| 46   | $\vdash$     |     | Ė            | <del>                                     </del> | +-      | ╁═┼  |          | +-1                 | -     |          |     | -               | $\dashv$   | +        | 1-       | $\vdash$        | $\dashv$        | +        | 1      |                   |     |           |               | +   | t            | 一  | Н               | -        | $\dashv$   |
| 16   | $\vdash$     | -15 | <del>-</del> | <del>                                     </del> | +       | +  | +        | ++                  | ii-   |          | 65  | $\vdash$        | +  | $\dashv$ | ╫        | ₩               | +               | - -      | 1      |                   | 115 |           |               | +   | ╁            | $\vdash$   | H               | $\dashv$ | $\dashv$   |
| 17   | $\vdash$     |     |              | <del>                                     </del> |         | ╁┼   |          | +                   | iii - |          |     | $\vdash$        | -+   |          | +        | $\vdash$        | +               | +        | 1      |                   |     | $\vdash$  | $\dashv$      | +   | $\vdash$     | ₩  | $\vdash \vdash$ | -        | $\dashv$   |
| 18   | <b></b>      |     | F            | +++  |         | <del>                                     </del> |          | 1                   | ı L   |          |     |                 | -+   |          | -        | $\vdash \vdash$ |                 | -        | 4      |                   |     |           |               | ╁   | ┼            | ┼  |                 | -        |  |
| 119  |              |     | ==           |  | 4_      | $\vdash$   |          | $oldsymbol{\sqcup}$ | _     |          |     | $\dashv$        | 4  | _        | ↓_       |                 |                 |          | 4      |                   |     |           |               | $\bot$  | 1            | ┞  | $\sqcup$        | _        | _  |
| 120  |              |     | _            | $\sqcup \sqcup$                                  |         | ш  |          | Ш                   | L     |          |     | $\Box$          | 4  |          |          | $\sqcup$        | $\perp$         | _        |        |                   | 118 |           |               | _   | L            | <u> </u>   |                 | _        | _  |
| 21 -   22 -   71   121   122   123   123   123   123   123   124   124   124   124   124   125   125   125   125   125   125   125   125   126   127   127   127   127   128   128   128   128   128   128   129   129   129   129   129   129   129   130   130   131   131   131   131   131   131   132   133   |              |     | -            |  |         |  |          | Ш                   | iiiL  |          |     |                 |  |          | <u></u>  |                 |                 |          | ]::::: |                   |     |           |               |   |              |  |                 |          | $\Box$   |
| 122  |              |     | ŀ            |  |         |  |          | Ш                   | iiiL  |          |     |                 |  |          | <u> </u> |                 |                 |          | ]::::: |                   | 120 |           |               |   |              |  |                 |          |  |
| -23  |              |     | 1            |  |         |  |          |                     |       |          |     |                 |  |          |          |                 |                 |          |        |                   | 121 |           |               |   |              |  |                 |          |  |
| -23  |              | -22 | $\vdash$     |  |         | П  |          | $\Box$              | ıГ    |          | 72  |                 | Т  |          |          |                 |                 |          |        |                   | 122 |           |               | Т   | Γ            |  | П               |          | $\Box$   |
| -24 74   -25 75   -26 76   -27 77   -28 78   -29 79   -30 80   31 81   -32 82   33 132   33 83   35 85   36 86   37 87   38 88   39 89   40 99   41 99   44 99   44 99   46 96   47 97   48 98   49 99   149   | -            | 23  |              |  |         |  |          |                     |       |          |     |                 | $\neg$   |          |          | $\Box$          |                 |          |        |                   | 123 |           |               | Τ   | П            |  | П               |          | $\neg$   |
| 75     125       126     126       127     127       128     128       129     129       30     130       31     131       32     82       132     132       33     133       34     84       85     135       86     136       37     87       88     138       39     88       88     138       89     139       90     140       41     92       93     143       44     92       93     143       44     94       96     146       47     97       148     148       98     148       149     149  | _            | 24  |              |  |         | $\Box$   |          | $\vdash$            |       |          |     |                 | T  | $\top$   |          | $\Box$          | T               | $\neg$   | 1      |                   | 124 | $\neg$    | $\neg \vdash$ | 1   |              | 1  |                 |          | $\neg$   |
| -26  | _            |     | -            |  | 一       | T  |          |                     |       |          |     |                 | $\top$   |          |          | $\Box$          | $\neg$          |          | 1      |                   |     | $\neg$    | $\neg$        | T   |              |  | Н               |          | ヿ  |
| -27 -28 77 127 128   -29 79 129 129   -30 80 130 131   -31 81 131 131   -32 82 132 132   33 83 133 133   34 84 134 134   35 85 135 136   37 87 137 137   38 88 138 138   39 89 139 140   41 91 141 141   42 92 142 142   43 93 143 144   44 94 144 144   45 95 145 146   47 97 147 147   48 98 148 149   | $\vdash$     | 26  | _            |  | _       | +  | $\dashv$ | Н                   |       |          |     | $\dashv$        | +  | 十        |          | $\dashv$        | $\dashv$        | $\top$   | 1      |                   | 126 |           | _             | +-  | <del> </del> | $t^-$  | $\vdash$        |          |  |
| -28 -   -29 -   -30 -   -31 -   -32 -   -32 -   -33 -   -33 -   -34 -   -32 -   -33 -   -34 -   -35 -   -36 -   -37 -   -36 -   -37 -   -38 -   -37 -   -38 -   -39  | $\vdash$     |     | _            | <del>                                     </del> | +       | ++   | _        | +                   | ⊩     |          |     |                 | +  | -+-      | +        | -               | -               |          | 1::::  |                   | 127 | -         | +             | +   |              | $\vdash$   | $\vdash$        | _        | _  |
| 29   79   129     30   130   131     31   81   131     32   83   132     33   83   133     34   84   134     35   85   135     36   86   136     37   87   137     38   88   138     39   89   139     40   90   140     41   91   141     42   92   142     43   93   143     44   94   144     45   95   145     96   146   147     48   98   148     49   99   149  | <del>-</del> |     |              | 1  |         | ╁┼   |          | +                   | ŀ     | -+       |     | $\dashv$        | +  | +        | $\vdash$ | -               | +               |          | 1      |                   |     | $\dashv$  | +             | ╫   | +            | $\vdash$   | $\vdash$        | -        | $\dashv$   |
| 30   |              | 20  |              | $\vdash$   |         | ╁  |          | +                   | ⊪     |          |     | -+              | $\dashv$   |          | -        |                 | -+              |          | ł      |                   | 120 |           | +             | ╁   | ├─           | <del> </del>                                     |                 | -        |  |
| 31   | H            |     | _            | $\vdash$   |         | +  | -        | +                   | ŀ     |          |     | -               | +  |          | ├-       | $\vdash$        |                 |          | 4      |                   |     |           |               | ╁   | ┢            | -  | $\vdash$        | $\dashv$ | $\dashv$   |
| 33   | _=           |     |              | ++   | -       | ₩  |          | $\square$           | ŀ     | $\dashv$ |     | $\rightarrow$   | +  | -        | ▙        | 1               | -               |          | 4      |                   |     |           | _             | ╂   | -            | -  |                 |          |  |
| 33 =   83   133   134     34 =   84   134   134     35 =   85   135   135     36 =   86   136   137     37 =   87   137   137     38 =   88   138   139     40 =   90   140   141     41 =   91   141   141     42 =   92   142   142     43 =   93   143   144     44 =   94   144   144     46 =   96   146   147     48 =   98   148   149  | <u></u>      | -37 | ì            | $\Box \Box$                                      | _       | $\vdash$   |          | $\sqcup$            | L     |          |     |                 |  |          | ļ        | $\dashv$        | _               |          |        |                   | 131 |           | $\perp$       | ╀-  | ┞-           | ┡  | $\vdash$        | $\dashv$ | _  |
| 34 =   84   134   135     35 =   85   135   136     37 =   86   136   137     38 =   88   138   138     39 =   90   140   141     41 =   91   141   142     43 =   93   143   143     44 =   94   144   144     45 =   95   145   146     47 =   97   147   148     48 =   98   148   149  | ╙┪           |     | _            |  |         | $\sqcup \bot$                                    |          | $\square$           | L     |          |     | $\Box$          | _  |          | <u> </u> | Ц               |                 |          |        |                   | 132 |           |               | <b> </b>  | <u> </u>     | $ldsymbol{f eta}$                                |                 |          |  |
| 35 =   85   135   136     37 =   86   136   137     38 =   88   138   138     39 =   90   140   140     41 =   91   141   141     42 =   92   142   143     43 =   93   143   143     44 =   94   144   144     45 =   95   145   146     46 =   96   146   147     48 =   98   148   149  | <u> </u>     |     |              |  |         |  |          | <b>     </b>        | L     |          |     |                 | $\perp$  |          |          | $\Box$          | $\perp$         |          |        |                   | 133 | $\perp$   | $\perp$       |   |              | $ldsymbol{ldsymbol{ldsymbol{eta}}}$              | Ц               |          |  |
| 35 = 85   36 = 135   37 = 86   38 = 88   39 = 88   40 = 90   41 = 91   42 = 92   43 = 93   44 = 94   45 = 95   46 = 96   47 = 97   48 = 98   49 = 148   99 149   | $oxed{oxed}$ |     | H            |  |         |  |          | $\square$           | L     |          |     |                 | $\perp$  | $\bot$   |          |                 |                 |          |        |                   | 134 |           | _             | <u> </u>  |              | L  |                 |          |  |
| 37 =   887   137   138     38 =   88   138   139     40 =   90   140   140     41 =   91   141   141     42 =   92   142   143     43 =   93   143   143     44 =   94   144   144     45 =   95   145   145     46 =   96   146   147     48 =   98   148   149   |              | 35  | =            |  |         | $\prod$  |          |                     | L     |          |     |                 | $oldsymbol{ol}}}}}}}}}}}}}}}}$ |          |          |                 |                 |          |        |                   |     | [         |               | $\perp$   |              |  |                 |          | $oldsymbol{ol}}}}}}}}}}}}}}}}}}}}$ |
| 37 =   887   137   138     38 =   88   138   139     40 =   90   140   140     41 =   91   141   141     42 =   92   142   143     43 =   93   143   143     44 =   94   144   144     45 =   95   145   145     46 =   96   146   147     48 =   98   148   149   |              |     | =            |  |         |  |          |                     |       |          |     |                 | $\prod$  |          |          |                 | $\prod$         |          |        |                   | 136 | [         |               | $oldsymbol{ol}}}}}}}}}}}}}}}$ | L            |  |                 | [        |  |
| 38 =   88   138   139   139   139   139   139   139   139   139   139   140   140   140   140   140   140   141   141   141   141   141   141   141   141   142   142   142   142   142   143   143   143   143   143   144   144   144   144   144   144   144   145   145   146   146   146   147   147   147   148   148   149   1  |              | 37  |              |  | $\Box$  | $\Box \top$                                      |          |                     | ſ     |          |     | _T              | T  |          |          |                 |                 |          |        |                   | 137 |           |               |   |              | $L^{-}$  |                 | 7        |  |
| 39   89   139     40   90   140     41   91   141     42   92   142     43   93   143     44   94   144     45   95   145     46   96   146     47   97   147     48   98   148     49   99   149  |              |     |              |  | T       |  |          | П                   | Γ     |          |     | $\neg$          |  |          |          |                 |                 |          | 1      |                   |     | $\neg$    |               |   | Γ            |  |                 | $\neg$   | $\neg$   |
| 40 =   90   140   141     41 =   91   141   141     42 =   92   142   142     43 =   93   143   143     44 =   94   144   144     45 =   95   145   145     46 =   96   146   147     48 =   98   148   148     49 =   99   149   149  |              |     |              |  | $\top$  |  |          |                     | ı     |          |     | 寸               | 寸  | $\top$   |          | $\Box$          |                 |          |        |                   |     |           | $\neg$        | 1   | Π            | П  |                 | $\neg$   | $\neg$   |
| 41   91   141   142   142   142   143   143   143   143   143   143   144   144   144   144   144   145   145   145   146   146   147   147   147   148   148   148   149  |              |     | Ξ            |  | $\top$  | $T^{\dagger}$                                    |          | $\Box$              |       |          | 90  | 一十              | $\dashv$   |          | П        | $\neg$          |                 | 1        | 1      |                   |     | _         | $\dashv$      | T   | Т            | П  | $\Box$          | $\dashv$ | $\dashv$   |
| 43 93   44 94   45 95   46 96   47 97   48 98   49 99  | $\vdash$     |     |              |  | +       | $\vdash$   | $\dashv$ | $\vdash$            | H     |          |     | +               | +  |          | 1        | -               |                 |          | انتنا  |                   |     | -         |               | T   | T            |  | $\vdash$        | ┪        | $\dashv$   |
| 43 93   44 94   45 95   46 96   47 97   48 98   49 99  | $\vdash$     | 42  | =            |  | +       |  |          | 1-1                 | H     |          | 92  | $\dashv$        | +  | $\dashv$ | $\vdash$ | $\dashv$        | +               | +        |        |                   | 142 | $\dashv$  |               | ╁╌  | $t^-$        | H  | $\vdash \vdash$ | $\dashv$ | ᅱ  |
| 44 94 144   45 = 95 145   46 = 96 146   47 = 97 147   48 = 98 148   49 = 99 149  | $\vdash$     | 12  | -            | <del>                                     </del> | +       | +-+  | +-       | +                   | H     |          | 92  | $\dashv$        | +  | +        | $\vdash$ | $\dashv$        | +               | +        |        | -                 |     | -+        | +             | +-  | ╁            | -  | $\vdash$        |          |  |
| 45 = 95   46 = 96   47 = 97   48 = 98   49 = 99  | $\vdash$     |     |              | ++   | +-      | <del>                                     </del> | +-       | H                   | ⊢     |          |     | $\dashv$        | +  | +        | $\vdash$ | $\dashv$        | -+              | +        |        |                   |     |           | +             | ╁┈  | $\vdash$     | Н  | $\vdash$        | -        | {  |
| 46 96   47 = 97   48 = 98   49 = 99  | $\vdash$     | 44  |              | <del>                                     </del> | +       | ╁╌┼  | +        | +                   | ŀ     |          |     |                 | +  |          | $\vdash$ | $\dashv$        | +               | +        |        | $\longrightarrow$ |     |           | $\dashv$      | ╀   | ╁            | $\vdash$   | $\vdash \vdash$ |          |  |
| 47 = 97   48 = 98   49 = 99  |              | 45  | Ξ            |  | +       | ₩  | +        | +                   | -     |          | 95  |                 | 4  |          |          |                 | -               |          |        |                   |     | _         |               | ╀   | ├-           | $\vdash$   | $\vdash \vdash$ |          | $\dashv$   |
| 48   | <b>  </b>    | 46  | _            | $\vdash \vdash \vdash$                           | -       | ₩  | ——       | <b>     </b>        | L     |          |     | _               | $\dashv$   | $\perp$  | Ш        | _               | $\perp$         |          |        |                   |     | _         | _             | ↓_  | <u> </u>     | $\vdash$   | $\sqcup$        | _        | _  |
| 49   5   | $\sqcup$     | 47  | =            |  |         | $\sqcup$   | $\bot$   | $\sqcup$            | L     |          |     | $\perp$         | $\perp$  |          | Ш        | $\sqcup$        | $\perp$         |          |        |                   | 147 |           |               | $oldsymbol{oldsymbol{\perp}}$   | <u></u>      |  | $\sqcup$        |          | _  |
| 49   5   | $\bigsqcup$  | 48  | =            |  |         | $\sqcup$   |          | Ш                   | L     |          | 98  |                 |  | $\perp$  | Ш        | $\perp$         |                 | $\perp$  | :::::  |                   |     |           |               | _   | L            | $\Box$   | $\sqcup$        |          |  |
| 50 = 150 150   |              | 49  | \$           |  | $\perp$ | $\Box$   |          | Ш                   | Ľ     |          | 99  |                 |  |          | L        |                 |                 | $\perp$  |        | I                 | 149 |           |               | L   | L            |  |                 |          |  |
|  |              | 50  | ~            |  |         |  |          |                     |       |          | 100 |                 | $\Box$   | $\Box$   |          |                 |                 |          |        |                   | 150 |           | $\perp$       |   |              |  |                 |          |  |